

Metadata Report

Project Name

Survey of Mt Porche fault, Central Apennines, June 2018

Summary

Personnel

- PI(s)

Léa Pousse Beltran

Lucilla Benedetti

Jules Fleury

- Field staff
- Additional team members

Site Information

- Site description

Fault scarp along the Mt Vettore Fault

- Site objective

Estimate fault slip rate

- Site location (GPS cords and/or map)

Lat/ lon : 42.87397 13.21708

- Site conditions
- Date/time spent at each site

17/06/2018

Survey Results

- Equipment used

DJI Phantom 4 Pro quadcopter drone equipped with a camera FC6310 *

Camera Model FC6310 (8.8 mm)

Resolution 5472 x 3648

Focal Length 8.8 mm

Pixel Size 2.41 x 2.41 μ m



- GPS solutions

GCPs were measured using a Real Time Kinematic (RTK) device mounted with a high-sensitivity Trimble R8 GNSS receiver and processed with Trimble Business Center©.

- Errors

The final uncertainty on the GCPs is 3 cm

- Alignments
- Collection methods

Products

- Date of dataset collection

17/06/2018

- Coordinate system of datasets

EPSG 32633 WGS 84 UTM 33N

- Spatial resolution

0.05 m

- Horizontal Accuracy
- Vertical Accuracy
- Data formats

tiff

- Data processing methods

Agisoft's Photoscan Pro software (Agisoft, 2016)

Misc Notes

Number of images: 498

Flying altitude: 105 m

Ground resolution: 2.69 cm/pix and Resampled at 5cm/pix

Point density: 400 points/m²